

# ITPKB rabbit monoclonal antibody

Catalog # H00003707-K

Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human ITPKB peptide using ARM Technology.
Immunogen	A synthetic peptide of human ITPKB is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ITPKB peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — ITPKB

Entrez GeneID	<a href="#">3707</a>
GeneBank Accession#	<a href="#">ITPKB</a>
Gene Name	ITPKB
Gene Alias	IP3K, IP3K-B, IP3KB, PIG37
Gene Description	inositol 1,4,5-trisphosphate 3-kinase B
Omim ID	<a href="#">147522</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The protein encoded by this protein regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5)P4. The activity of this encoded protein is responsible for regulating the levels of a large number of inositol polyphosphates that are important in cellular signaling. Both calcium/calmodulin and protein phosphorylation mechanisms control its activity. [provided by RefSeq]
Other Designations	1D-myo-inositol-trisphosphate 3-kinase B IP3 3-kinase OTTHUMP00000035705 proliferation-inducing protein 37

## Pathway

- [Calcium signaling pathway](#)
- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Tobacco Use Disorder](#)